

# PATENT SPECIFICATION



Application Date: Sept. 20, 1928. No. 26,946/28.

**320,215**

Complete Left: June 19, 1929.

Complete Accepted: Oct. 10, 1929.

PROVISIONAL SPECIFICATION.

## Improvements in or relating to Bird and like Drinking Devices.

I, ALBERT JOHN PICKERING, British Subject, of 1a, Walford Road, Sparkbrook, Birmingham, do hereby declare the nature of this invention to be as follows:—

5 This invention comprises certain improvements in or relating to bird and like drinking devices of the type known as "bird fountains" in which the water is kept at a constant level in the feeding dish or receptacle by allowing air to enter the main containing vessel when the water is consumed from the feeding dish. The present invention has for its object to construct a feeding device which is especially suitable for use in chicken pens and the like, such device being simple and cheap to manufacture and simple and efficient in use.

10 According to the present improvements, the device comprises a dish-shaped member which is raised in the centre so that an annular dish or gutter is formed around this raised portion. The water or other liquid container is inverted and engaged over this raised portion which is provided with means to allow air to enter the container and thus allow water to flow into the dish or gutter. The water container conveniently engages over a number of spaced apart ribs or projections, so that there is a space between the inside of the containing vessel and the outer wall of the raised portion which allows water or the like to run into the annular dish aforementioned when air enters said containing vessel via the said spaces. The containing vessel rests on a ridge about midway of the depth of the raised portion so that a comparatively shallow annular feeding dish is provided thereby ensuring that the water is quickly consumed and therefore fresh water is in the dish at all times. By forming the annular trough shallow and narrow, the liability of the chickens or other young birds being drowned is reduced to a minimum, whilst the chickens cannot get into the trough to dirty the water. The device is conveniently formed in one piece as a spinning, pressing or the like.

50 According to a convenient embodiment of this invention the dish comprises a single piece of metal which is pressed,

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55 spun or otherwise worked to form an inverted cup-shaped portion which is surrounded by an annular dish or gutter. The two opposite walls of this annular gutter are inclined towards one another and join to form a curved floor so that said gutter can easily be kept free from foreign matter. At a point approximately mid-way its depth, the wall of the raised portion rises vertically for a distance slightly in excess of the total depth of the gutter or dish aforementioned. The diameter of this raised portion is slightly less than the internal diameter of a common jam pot or jar as at present in use and, in order that said jar can be used for feeding the water into the gutter aforementioned, a number of projecting ribs, conveniently three, are formed on the wall of this raised portion, part being on the cylindrical and part on the inclined wall. The jar is inverted and engages over these raised ribs so that an air and water space is provided, between the raised portion and the feed jar, intermediate the said raised ribs. The water-containing jar is filled with liquid and the raised portion of the device is placed therein, the whole being inverted, when said water will flow into the annular dish or gutter until the level of the water reaches the rim of the jar. As the liquid is consumed, air is admitted to the jar and causes a fresh supply, equal to the amount consumed, to run into the feeding dish. In lieu of projecting ribs on the raised portion of the device, such raised portion may be of such a size that the jar is a good fit thereon, and a number of spaced apart recesses are formed in this raised portion to allow the water to escape from the jar.

By this invention therefore a "bird fountain" device is simply and cheaply manufactured and is especially suitable for use in chicken pens as the liability of the chickens being drowned is reduced to a minimum.

Dated this 19th day of September, 1928.

J. E. S. LOCKWOOD,  
Patent Agent for the Applicant,  
3, New Street, Birmingham.

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## COMPLETE SPECIFICATION.

## Improvements in or relating to Bird and like Drinking Devices.

I, ALBERT JOHN PICKERING, a British Subject, of 3, Passey Road, Moseley, Birmingham, formerly of 1a, Walford Road, Sparkbrook, Birmingham, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

10 This invention comprises certain improvements in or relating to bird and like drinking devices of the type known as "bird fountains" in which the water is kept at a constant level in the feeding dish or receptacle by allowing air to enter the main containing vessel when the water is consumed from the feeding dish. The present invention has for its object to construct a feeding device which is especially suitable for use in chicken pens and the like, such device being simple and cheap to manufacture and capable of utilising any ordinary cylindrical jar.

According to the present improvements, 25 the device comprises a dish-shaped member which is raised in the centre to support a water container, said raised portion being surrounded by a dish or gutter, which is characterised in that the said raised portion has a conical base surmounted by a cylindrical portion and in that raised members or recesses are provided on the wall of this raised portion, so that any ordinary jam or like jar can be placed thereon to be firmly fixed in position whilst allowing water to pass therefrom into the dish or gutter.

In order that the invention may be clearly understood and readily carried into effect, reference may be had to the accompanying drawings on which:—

Figure 1 is a perspective view of a device constructed according to this invention, the broken lines representing the water or other liquid container, and

45 Figure 2 is a central cross section of the device.

According to a convenient embodiment of this invention the dish comprises a single piece of metal which is pressed, spun or otherwise worked to form an inverted cup-shaped portion 1 which is surrounded by an annular dish or gutter 2. The two opposite walls 1a and 2a of this annular gutter are inclined towards one another and join to form a curved or partly curved floor 3 so that the said gutter can easily be cleaned and kept free

from foreign matter. At a point approximately midway its depth, the wall of the raised portion rises vertically from the conical base 1a for a distance slightly in excess of the total depth of the gutter or dish 2 aforementioned. The diameter of this raised cylindrical portion 1b is slightly less than the internal diameter of a common jam pot or jar 4 as at present in use and, in order that said jar can be used for feeding the water into the gutter 2, a number of projecting ribs 5, conveniently three, are formed on the wall of this raised portion part being on the cylindrical wall 1 and part on the inclined or conical wall 1a. The jar 4 is inverted and engages over these raised ribs 5 so that an air and water space 6 is provided, between the raised portion 1 and the inside of the feed jar 4, intermediate the said raised ribs 5. The water containing jar is filled with liquid and the raised portion 1 of the device is placed therein, the whole being inverted, when said water will flow into the annular dish or gutter 2 until the level of the water reaches the rim of the jar. As the liquid is consumed, air is admitted to the jar and causes a fresh supply, equal to the amount consumed, to run into the feeding dish. In lieu of projecting ribs on the raised portion 1 of the device, such raised portion may be of such a size that the jar is a good fit thereon, and a number of spaced apart recesses are formed in this raised portion to allow the water to escape from the jar.

By this invention therefore a "bird fountain" device is simply and cheaply manufactured and is especially suitable for use in chicken pens as the liability of the chickens being drowned is reduced to a minimum.

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:—

(1). A bird and like drinking device of the type set forth, comprising a dish-shaped member having a raised centre portion which supports a water container and which is surrounded by a dish or gutter, characterised in that the said raised portion has a conical base surmounted by a cylindrical portion and in that raised members or recesses are provided on the wall of this raised portion,

so that any ordinary jam or like jar can be placed thereon to be firmly fixed in position whilst allowing water to pass therefrom into the dish or gutter.

Dated this 30th day of May, 1929.

J. E. S. LOCKWOOD,  
Agent for the Applicant,  
3, New Street, Birmingham.

5 (2). A bird and like drinking device substantially as herein set forth and illustrated.

Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1929

*[This Drawing is a reproduction of the Original on a reduced scale.]*

